App No.: Not Yet Assigned Inventor: Jennie P. MATHER et al.

Docket No.: 415072000101

Title: COMPOSITIONS AND METHODS FOR GENERATING MONOCLONAL ANTIBODIES REPRESENTATIVE OF A

SPECIFIC CELL TYPE

Sheet 1 of 11

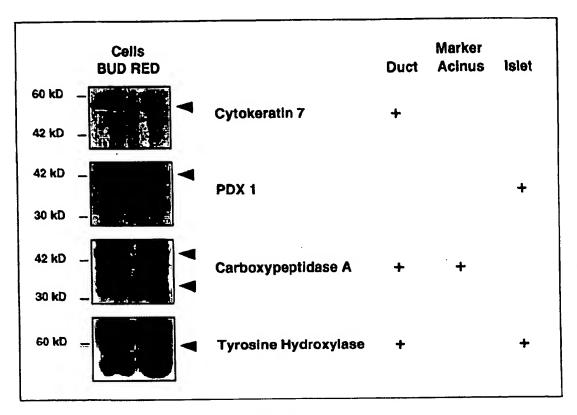


Figure 1

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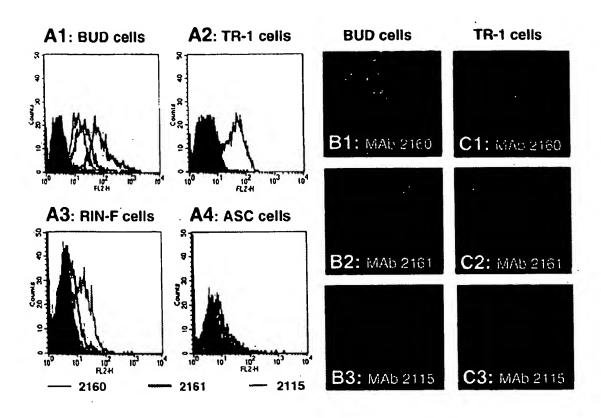


Figure 2

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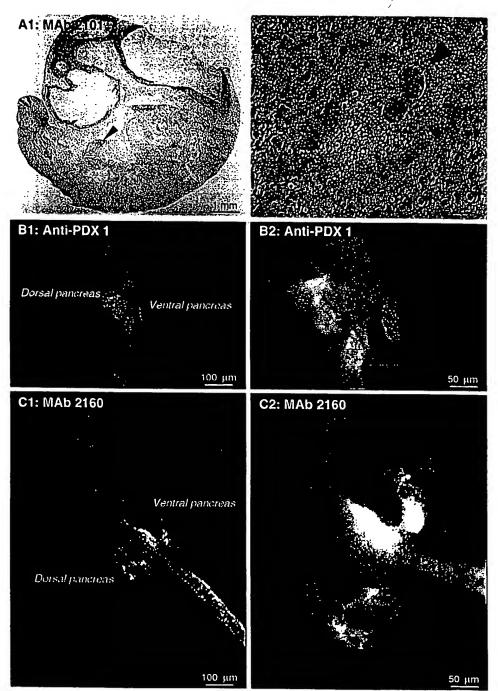


Figure 3

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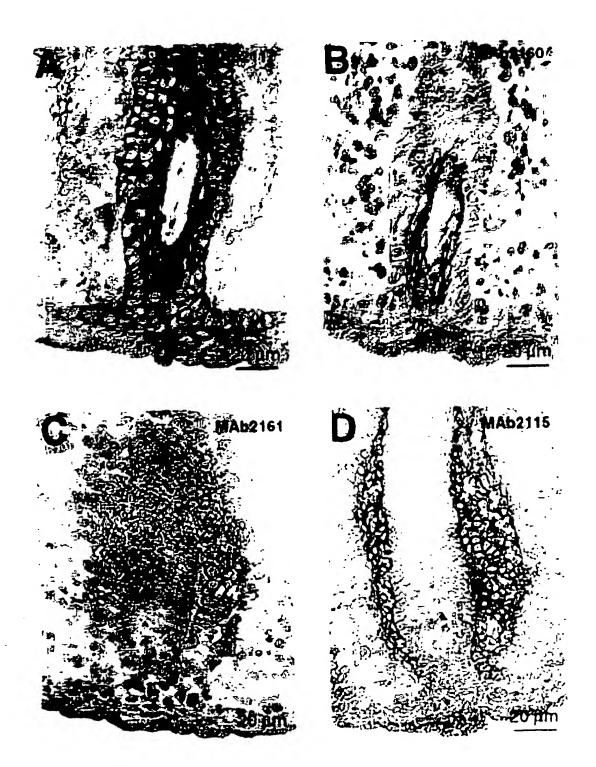


Figure 4

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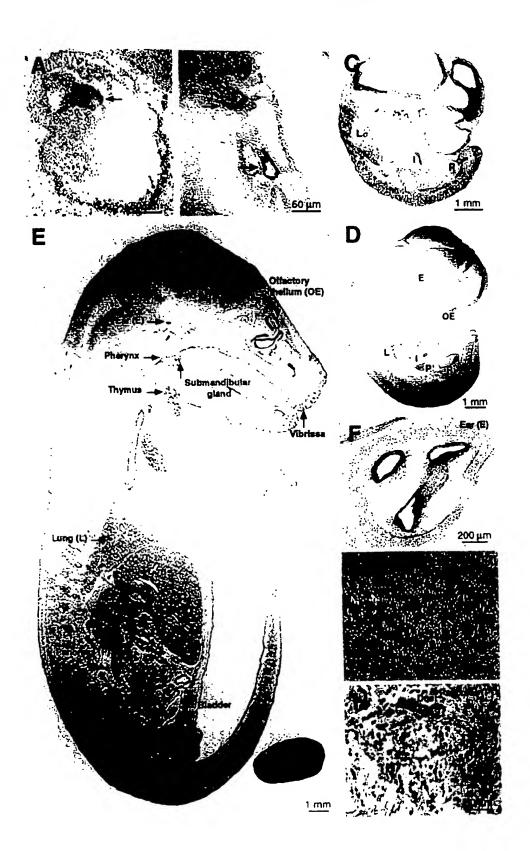


Figure 5

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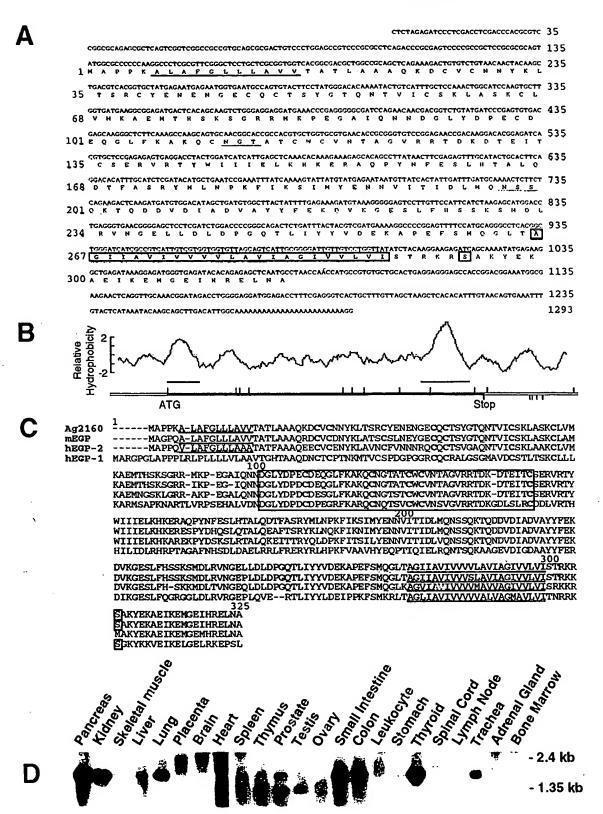


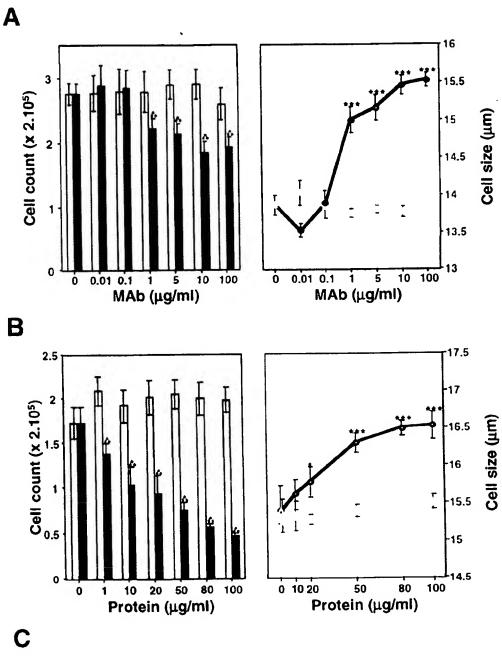
Figure 6

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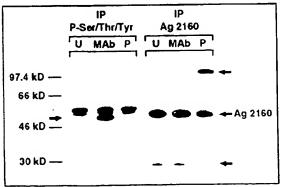


Figure 7

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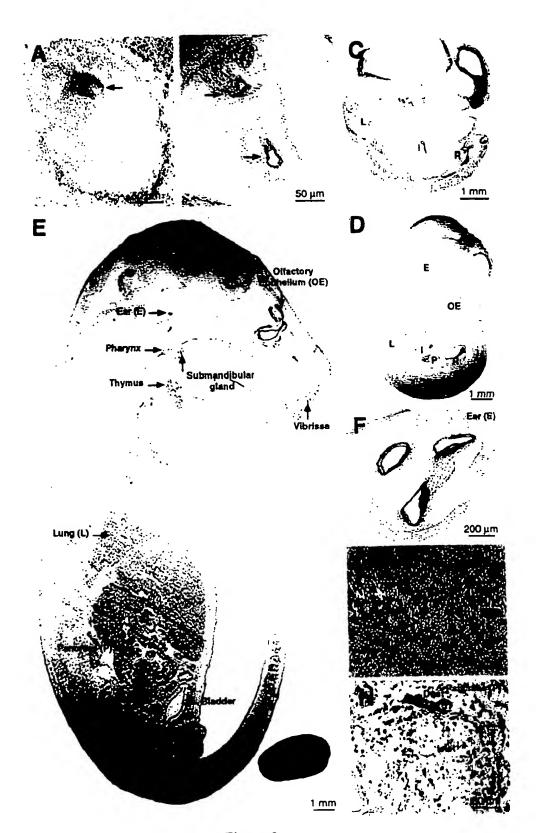


Figure 8

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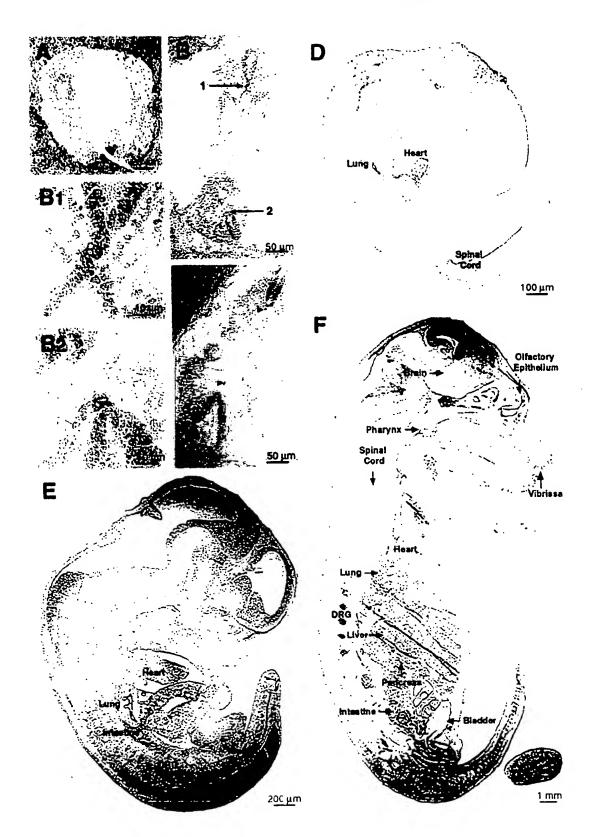


Figure 9

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FIGURE 10

GCGAGCGGCCCCGTGGGCCCGGGACGACGCCCCTCCTGCGGCGTGGACTTTGTCGGTGGCCTTCTAGGAGGAGGAAT

ì	ATGGCATCTAAAGGGTCCCCTTCTTGCCGTCTGGTTTTCTGCCTCTTGATCTCCGCCGCGGTCCTCAGACCAGGCCTCGG	
	MASKGSPSCRLVPCLLISAAVLRPGLG-	27
81	ATGGTACACTGTCAACTCAGCATACGGAGATACCATTGTCATGCCTTGCAGACTGGATGTACCTCAGAACCTCATGTTTG	
	-WYTV-NS-AYGDTIVMPCRLDVPQNLMFG	54
161	GCAAATGGAAATATGAAAAGCCTGATGGGTCCCCAGTATTTATT	
	-K-W-K-Y-E-K-P-D-G-S-P-V-F-I-A-F-R-S-S-T-K-K-S-V-Q-Y-	81
241	GATGATGTACCAGAGTACAAGGACAGACTGAGCCTCTCAGAAAACTACACTCTGTCTATCAACAATGCAAAGATCAGTGA	
	DDVP-EYKDRLSLSENYTLSINNAKISD-	
321	CGAAAAGAGATTTGTGTGCATGCTAGTGACCGAGGACAACGTGTTTGAGGCACCTACCCTGGTCAAGGTGTTCAAGCAAC	
	-EKRFVCM-LVTEDNVFEAPTLVKVFKQP	135
401	CATCTAAACCTGAAATTGTAAACAGAGCAGCGTTTCTTGAAACAGAGCAGCTAAAAAAAGTTAGGTGACTGCATTTCAAGA	
	SKPEIVNRAAFLETEQLKKLGDCISR	
481	GACAGTTACCCAGACGCCAACATCACGTGGTATAGGAATGGGAAAGTGCTACAGCCTGTTGATGGAGAGGTGTCCATACT	
	D-S-Y-P-D-G-N-I-T-W-Y-R-N-G-K-V-L-Q-P-V-D-G-E-V-S-I-L-	
561	TTTTAAAAAAGGAAATTGATCCAGGTACTCAGTTGTATACCATGACTTCCTTC	
301	-PKKEIDPGTQLYTMTSSLEYKTTKSDI	
641	TACAAATGCCATTCACCTGTTCTGTGACATATTATGGACCTTCGGGCCAGAAAACAATTTATTCTGAACAAGCAATCTTT	
	OMPFTCSVTYYGPSGQKTIYSEQAIF	
721	GATATTTACTATCCTACAGAGCAGGTGACAATACAAGTACTGCCACCAAAAAATGCCATCAAAGAAGGGGGACAACATCAC	
	DIYYPTEOVTIOVLPPKNAIKEGDNIT-	
801	CCTTCAGTGCTTGGGGAATGGCAACCCACCTCCTGAGGAGTTCATGTTTTACTTAC	
	-L-QCL-GNPPPEEFMFYLPGQAEGIRS	
881	GCTCAAACACTTACACACTGACAGACGTGAGACGCAATGCCACCGGGGACTACAAATGTTCTCTCATCGACCAAAGAAAC	
001	SNTYTLTDVRRNATGDYKCSLIDORN	
961	ATGGCAGCTTCAACAACCATCACTGCTTCACTACTTGGATTTATCCTTAAACCCAAGTGGGGAAGTGACCAAGCAGATCGG	
JU1	HAASTITVHYLDLSLNPSGEVTKQIG-	
1041	TGATACCCTGCCTGTCTTTGCACAATATCTGCAAGTAGGAATGCAACTGTGGTGTGGATGAAGGATAACATCAGGCTCC	
1041	-DTLPVSCTISASRNATVVWMKDNIRLR	
1121	GATCTAGTCCATCCTTTTCTAGTCTTCATTATCAGGATGCTGGGAACTATGTCTGTGAAACTGCTCTTCAGGAGGTTGAG	
1121	SPSFSLHYODAGNYVCETALQEVE	
1201	GGACTGAAGAAAAGGGAGTCGCTGACCCTCATCGTAGAAGGAAAACCTCAAATCAAAATGACAAAAGAAAAACTGATCCCAG	
1201	G-L-K-K-R-E-S-L-T-L-I-V-E-G-K-P-O-I-K-M-T-K-M-T-K-K-T-D-P-S-	
1281	TGGACTGTCTAAGACTATAATCTGCCATGTGGAAGGGTTTCCAAAGCCAGCTATACAGTGGACCATTACCGGCAGTGGAA	
1201	-G-L-S-K-T-I-I-C-H-V-E-G-P-P-K-P-A-I-Q-W-T-I-T-G-S-G-S	
1361 1441	GCGTCATAAACCAAACAGAGGAGTCTCCTTATATTAATGGCAGGTATTATAGTAAAATTATCATTTCCCCTGAGGAGAAT	
	VINQTEESPYINGRYYSKIIISPEEN	
	GTTACATTAACTTGCACAGCAGAAAACCAACTGGAGAGAACAGTAAACTCCCTGAATGTCTCTGGGATAAGTATTCCAGA	
1441	VT-LTCTAENOLERTVNSLNVSAISIPE-	
1521	ACACGATGAGGCAGACGATATAAGTGATGAAAATAGAGAAAAGGTGAATGACCAGGCCAAACTAATTGTGGGCATTGTG	
1321	-HDEADDISDENREKVNDQAKLIVGIV	
1601	TTGGTCTCCTCCTCGCCGCCCTCGTCGCCGGTGTCGTCTCTCTACTGGCTGTACATGAAGAAATCGAAAAACTGCATCAAAAACA	
1001	GLLLALVAGVVYWLYMKKKTASKH	
1681		- 30
1001	GCAAAAAAAAAAAAAAAAAAAAAAAAGGGCGGCCGCGAC AKKKKKKKKGGRD 58	1
	AKKKKKKKKGGRD 58	T

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FIGURE 11

